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मानक

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IS 4570-13-5 (1993): Crystal Unit Holders, Part 13: Quartz Crystal Unit Holder Outline for Automatic Handling, Section 5: Metal, Sealed, Two Pin Crystal Unit Holder Type CU 05 [LITD 5: Semiconductor and Other Electronic Components and Devices]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक

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बारंबारता नियंत्रण और चयन के लिये प्रयुक्त क्वार्ट्ज
इकाइयों की विशिष्टि

भाग 13 स्वचालित प्रहस्तान के लिये क्वार्ट्ज क्रिस्टल इकाई की रूप-रेखा

अनुभाग 5 धातु, सील्ड, दो पिन वाले क्रिस्टल एकक टाइप सी यू 05

Indian Standard

CRYSTAL UNIT HOLDERS — SPECIFICATION

PART 13 QUARTZ CRYSTAL UNIT HOLDER OUTLINE FOR AUTOMATIC HANDLING

Section 5 Metal, Sealed, Two Pin Crystal Unit Holder Type CU 05

UDC 621-373-5 : 621-316-58

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

AMENDMENT NO. 1 MAY 2002
TO
IS 4570 (PART 13/SEC 5): 1993 CRYSTAL UNIT
HOLDERS — SPECIFICATION

PART 13 QUARTZ CRYSTAL UNIT HOLDER OUTLINE FOR
AUTOMATIC HANDLING

Section 5 Metal, Sealed, Two Pin Crystal Unit Holder Type CU 05

(Page 2, Table 1) — Substitute the following for the existing table:

Table 1 Dimensions for Quartz Crystal Unit Holder Type CU 05
(Clauses 3.1 and 4.1)

Ref	Millimetres			Identity Reference	Notes
	<i>Min</i>	<i>Nom</i>	<i>Max</i>		
A	—	—	8.26		
B	—	—	3.70		
C ₁	—	—	4.50	CU 05 A	1
C ₂	—	—	6.00	CU 05 B	1
C ₃	—	—	8.00	CU 05 C	1
C ₄	—	—	8.80	CU 05 D	1
D	—	—	7.29		
E	—	—	2.60		
H	3.60	3.75	3.90		
K	0.30	—	0.40		
L ₁	12.70	—	—	CU 05.1	1
L ₂	15.50	—	—	CU 05.2	1

(LTD 12)

FOREWORD

This Indian Standard (Part 13/Sec 5) was adopted by the Bureau of Indian Standards, after the draft finalized by the Piezoelectric Devices for Frequency Control and Selection Sectional Committee, had been approved by the Electronics and Telecommunication Division Council.

This standard shall be read in conjunction with IS 4570 (Part 1) : 1983 'Specification for crystal unit holders : Part 1 General requirement and tests (*first revision*).

This standard (Part 13/Sec 5) is based on IEC Doc 49 (C.O.) 223, 'Quartz crystal Unit Outlines for automatic handling, Types CU 01, CU 02, CU 03, CU 04, CU 05 issued by the International Electrotechnical Commission (IEC) and covers quartz crystal unit holder outlines type CU 05.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Indian Standard***CRYSTAL UNIT HOLDERS — SPECIFICATION****PART 13 QUARTZ CRYSTAL UNIT HOLDER OUTLINE FOR AUTOMATIC HANDLING****Section 5 Metal, Sealed, Two Pin Crystal Unit Holder Type CU 05****1 SCOPE**

1.1 This standard (Part 13/Sec 5) specifies the outline dimensions for metal, sealed, two pin crystal unit holder for automatic handling, type CU 05.

2 REFERENCES

2.1 The following Indian Standard is a necessary adjunct to this standard:

<i>IS No.</i>	<i>Title</i>
4570 (Part 1) : 1983	Crystal unit holders : Part 1 General requirements and tests (first revision)

3 TYPE DESIGNATION

3.1 The crystal unit holder covered in this standard shall be designated as metal, sealed, two pin crystal unit, Type CU 05.

NOTE — The complete identity for any crystal unit holder outline is a six digit type number consisting of the basic type number (4 digits) followed by a letter indicating the enclosure height and a number indicating the lead length. The identity references for the last two digits are given in the table, where a dot indicates the missing information, which is given on another line.

Example — CU 05 A1 is the complete identity for the enclosure CU, 05 with the height Cj, and the lead length LI.

4 OUTLINE AND DIMENSION

4.1 The outline and dimensions shall be according to Fig. 1 read along with Table 1.

5 CONSTRUCTION AND WORKMANSHIP

5.1 *see* 5 of IS 4570 (Part 1) : 1983.

6 MARKING

6.1 *see* 6 of IS 4570 (Part I) : 1983.

7 TEST

7.1 *see* 7 of IS 4570 (Part I) : 1983.

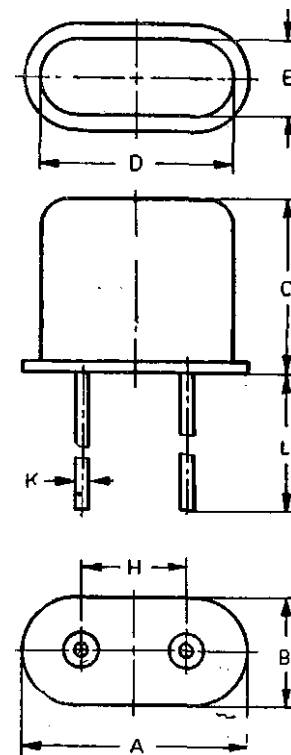


FIG. 1 METAL, SEALED, TWO-LEAD CRYSTAL UNIT HOLDER OUTLINE FOR AUTOMATIC HANDLING, TYPE CU 05

Table 1 Dimensions for Quartz Crystal Unit Holder Type CU 05*(Clauses 3.1 and 4.1)*

Ref.	Millimetres			Identity Reference	Notes
	<i>Min</i>	Nom.	<i>Max</i>		
A	—	—	8.26		
B	—	—	3.70		
C ₁	—	—	6.00	CU 05 A.	1
C ₂	—	—	8.00	CU 05 B.	1
C ₃	—	—	8.80	CU 05 C.	1
D	—	—	7.00		
E	—	—	2.60		
H	3.60	3.75	3.90		
K	0.30	—	0.40		
L	12.70	—	—	CU 05.1	1

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Amendments Issued Since Publication

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